

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041423\
 Data File : VD075682 .D
 Acq On : 14 Apr 2023 16:29
 Operator : KP/SY
 Sample : 02258-01
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 17 01:34:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

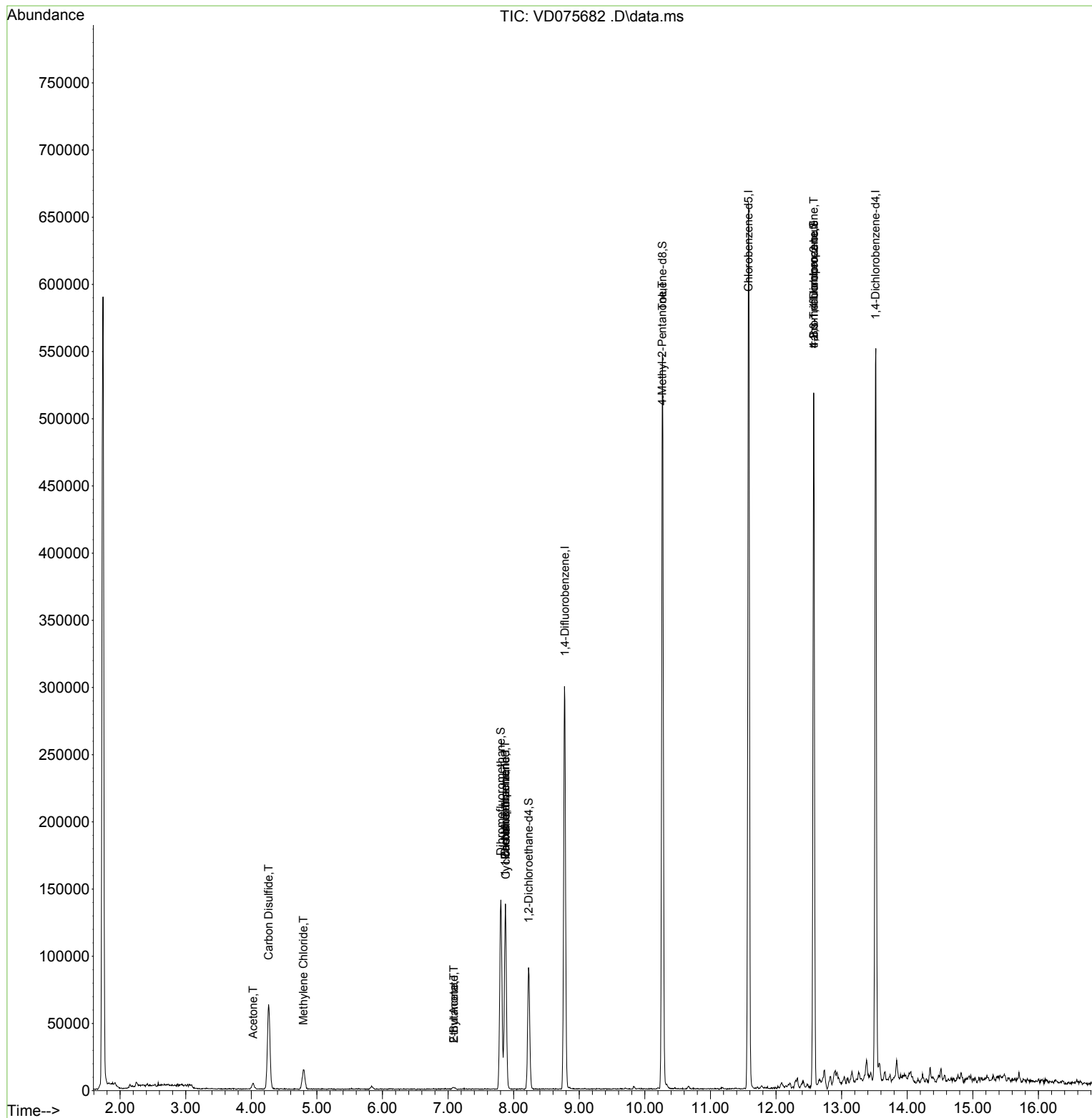
Internal Standards						
1) Pentafluorobenzene	7.875	168	109000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	292259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	433177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	153949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	68996	66.687	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.380%	
35) Dibromofluoromethane	7.804	113	104979	53.405	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.800%	
50) Toluene-d8	10.269	98	399351	50.731	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.460%	
62) 4-Bromofluorobenzene	12.575	95	157792	75.414	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 150.820%#	
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	6902	36.414	ug/l	96
17) Carbon Disulfide	4.263	76	139269	34.859	ug/l	98
20) Methylene Chloride	4.793	84	13716	5.224	ug/l #	71
25) 2-Butanone	7.087	43	1243	5.093	ug/l	97
31) Cyclohexane	7.881	56	2029	1.250	ug/l #	53
36) 1,1-Dichloropropene	7.869	75	7552	2.785	ug/l #	49
37) Ethyl Acetate	7.087	43	1243	1.506	ug/l #	80
38) Carbon Tetrachloride	7.875	117	10148	4.249	ug/l #	21
51) 4-Methyl-2-Pentanone	10.263	43	1122	1.398	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	74775	59.561	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	74775	129.092	ug/l #	5

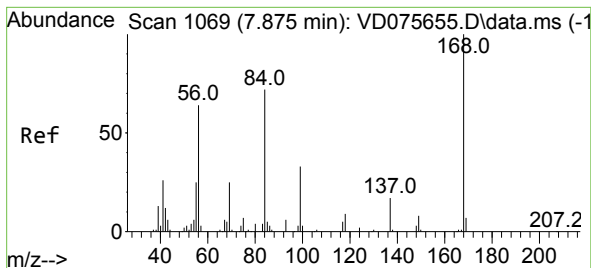
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 14:16:29 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD075682.D

Acq: 14 Apr 2023 16:29

Instrument :

MSVOA_D

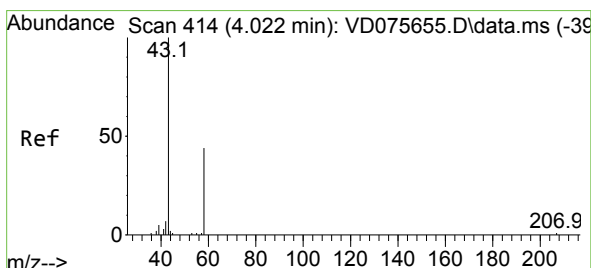
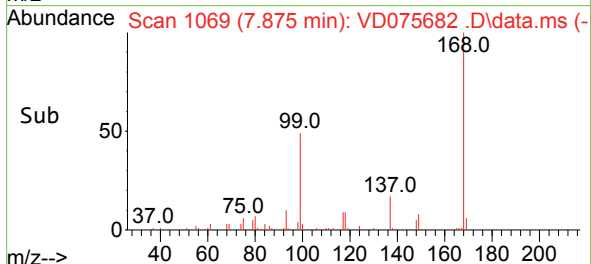
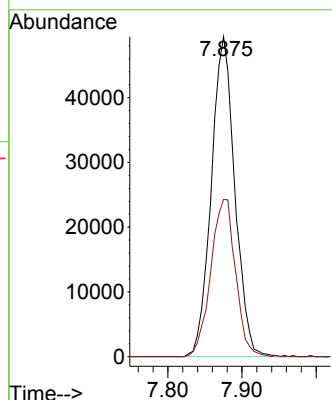
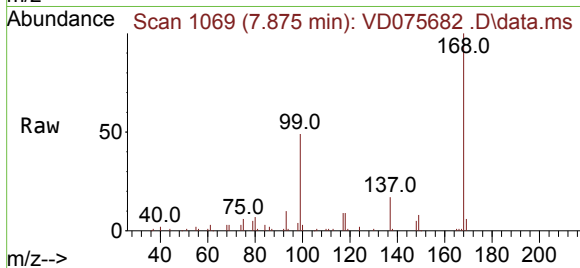
ClientSampleId :

Tgt Ion:168 Resp: 109000

Ion Ratio Lower Upper

168 100

99 49.1 43.8 65.6



#16

Acetone

Concen: 36.414 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD075682.D

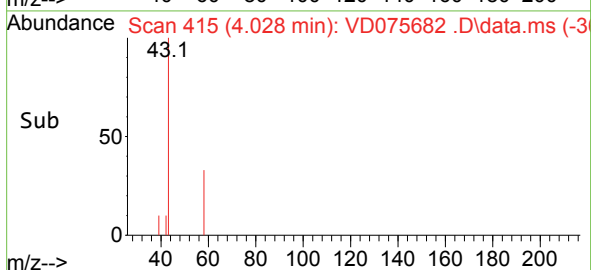
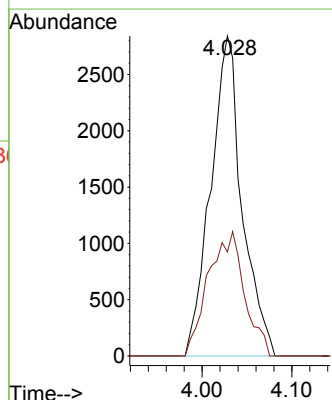
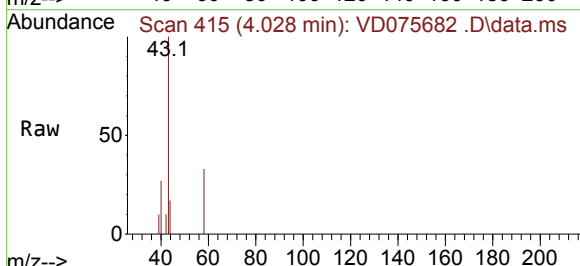
Acq: 14 Apr 2023 16:29

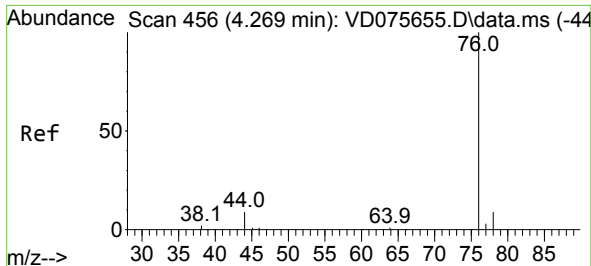
Tgt Ion: 43 Resp: 6902

Ion Ratio Lower Upper

43 100

58 32.5 24.4 36.6





#17

Carbon Disulfide

Concen: 34.859 ug/l

RT: 4.263 min Scan# 4

Delta R.T. -0.006 min

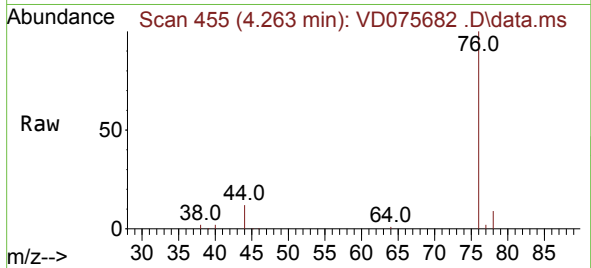
Lab File: VD075682 .D

Acq: 14 Apr 2023 16:29

Instrument :

MSVOA_D

ClientSampleId :

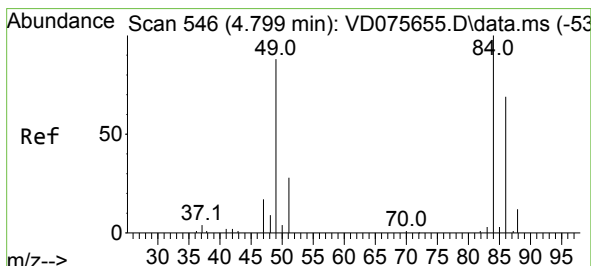
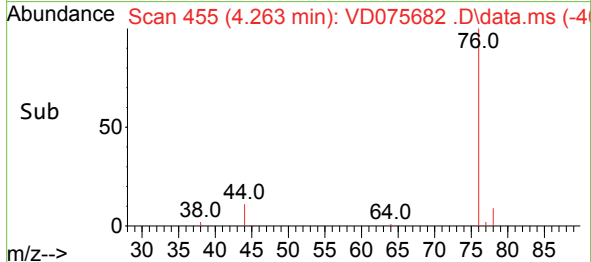
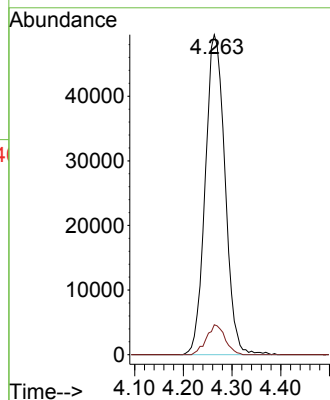


Tgt Ion: 76 Resp: 139269

Ion Ratio Lower Upper

76 100

78 9.4 8.0 12.0



#20

Methylene Chloride

Concen: 5.224 ug/l

RT: 4.793 min Scan# 545

Delta R.T. -0.006 min

Lab File: VD075682 .D

Acq: 14 Apr 2023 16:29

Tgt Ion: 84 Resp: 13716

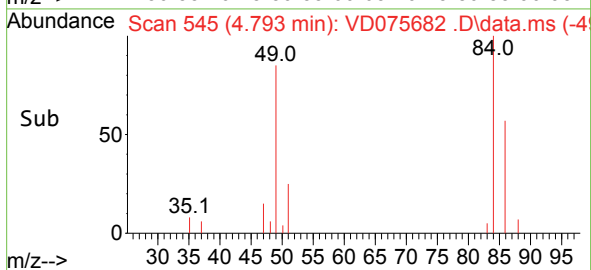
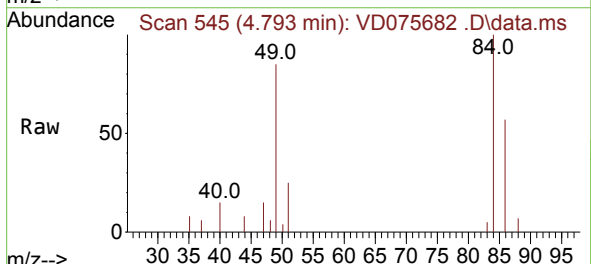
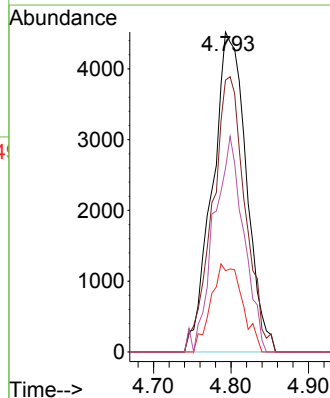
Ion Ratio Lower Upper

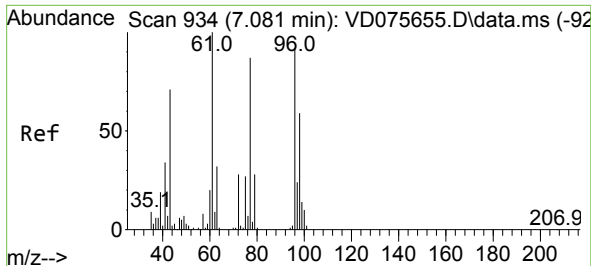
84 100

49 84.9 106.4 159.6#

51 25.4 32.4 48.6#

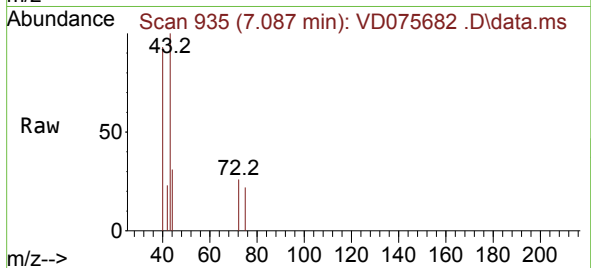
86 57.4 50.9 76.3



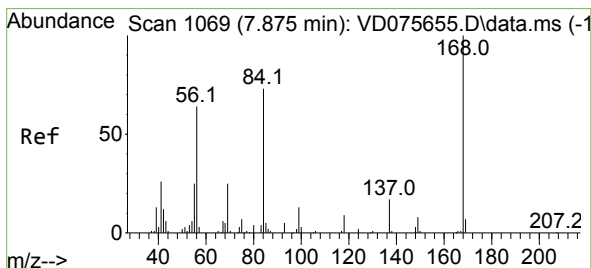
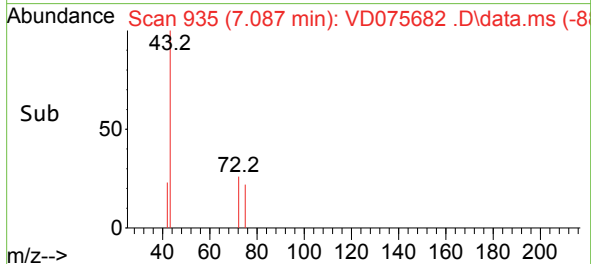
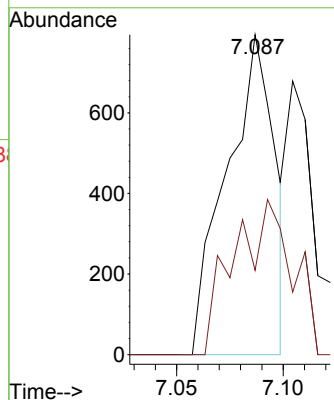


#25
2-Butanone
Concen: 5.093 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD075682 .D
Acq: 14 Apr 2023 16:29

Instrument :
MSVOA_D
ClientSampleId :

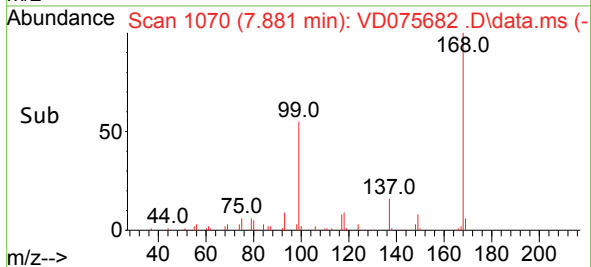
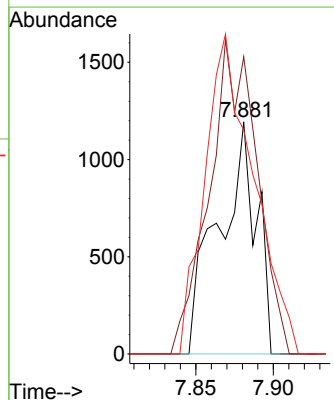
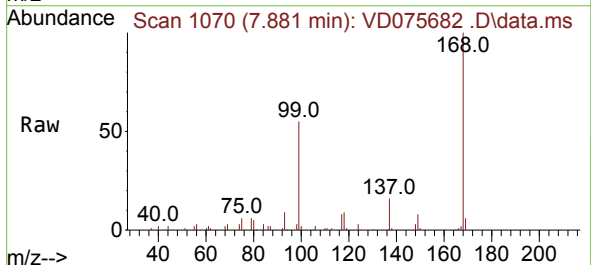


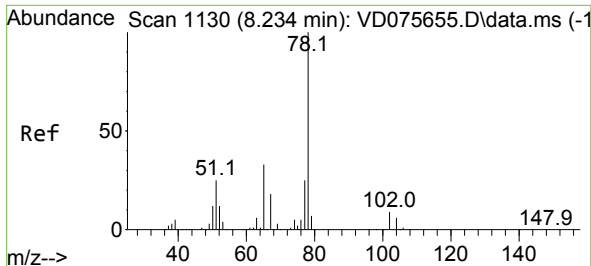
Tgt Ion: 43 Resp: 1243
Ion Ratio Lower Upper
43 100
72 26.3 19.8 29.8



#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD075682 .D
Acq: 14 Apr 2023 16:29

Tgt Ion: 56 Resp: 2029
Ion Ratio Lower Upper
56 100
69 113.8 25.5 38.3#
84 96.6 69.6 104.4





#33

1,2-Dichloroethane-d4

Concen: 66.687 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075682.D

Acq: 14 Apr 2023 16:29

Instrument :

MSVOA_D

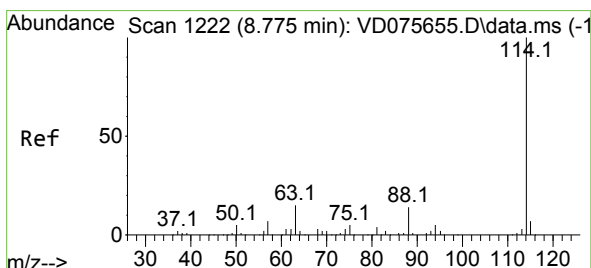
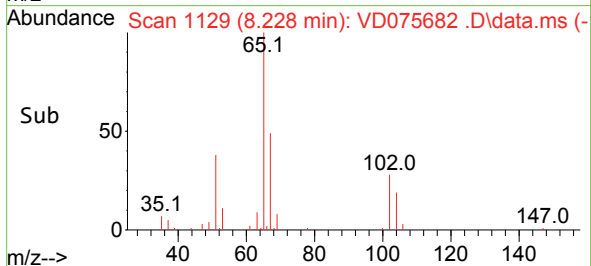
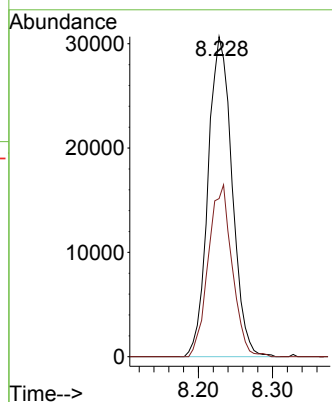
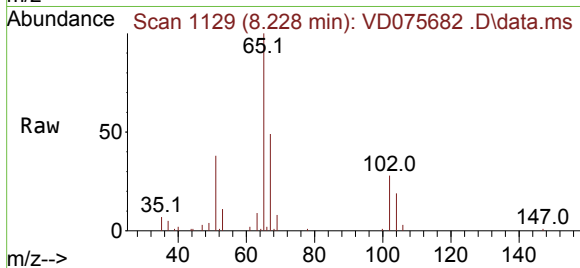
ClientSampleId :

Tgt Ion: 65 Resp: 68996

Ion Ratio Lower Upper

65 100

67 53.3 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD075682.D

Acq: 14 Apr 2023 16:29

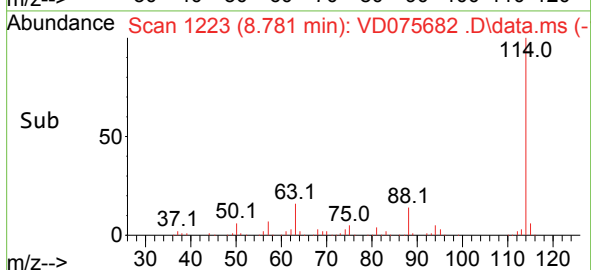
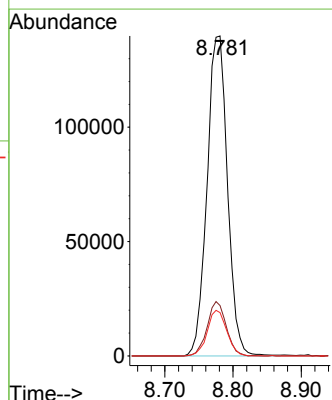
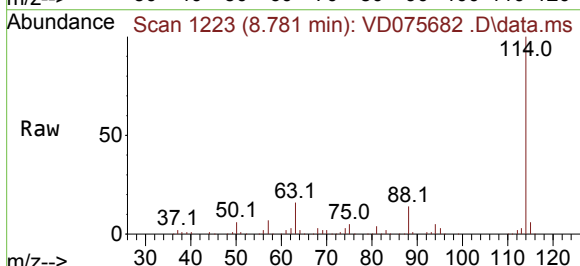
Tgt Ion: 114 Resp: 292259

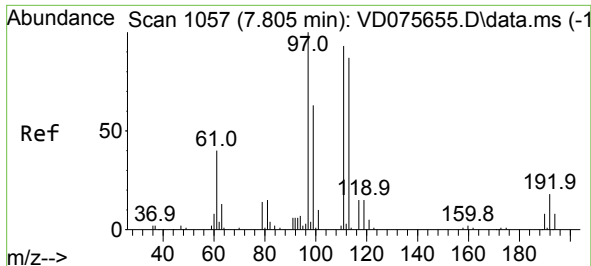
Ion Ratio Lower Upper

114 100

63 15.8 0.0 41.6

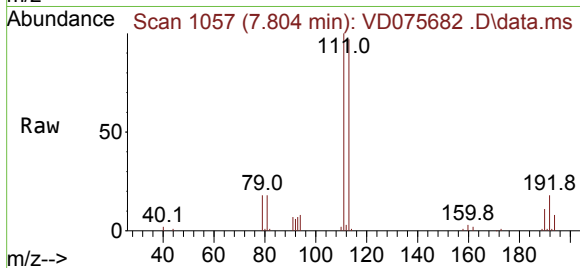
88 13.6 0.0 30.6



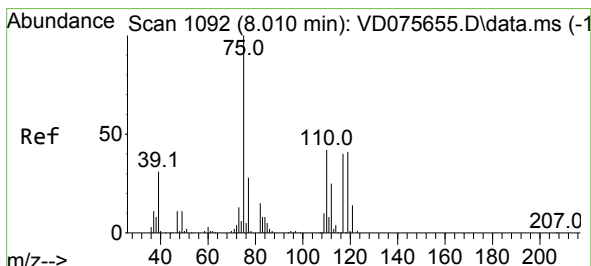
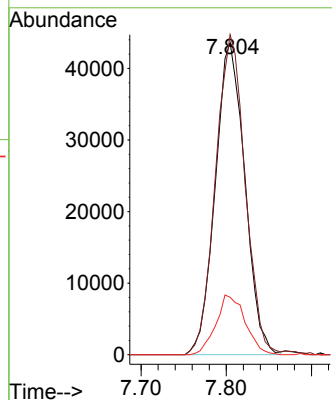
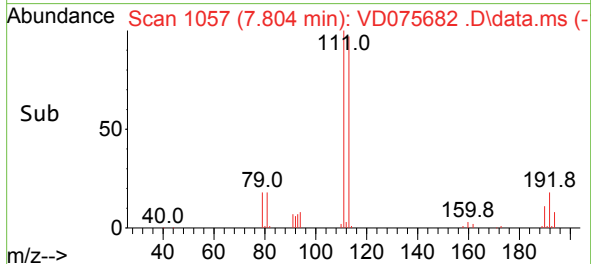


#35
 Dibromofluoromethane
 Concen: 53.405 ug/l
 RT: 7.804 min Scan# 1057
 Delta R.T. -0.001 min
 Lab File: VD075682.D
 Acq: 14 Apr 2023 16:29

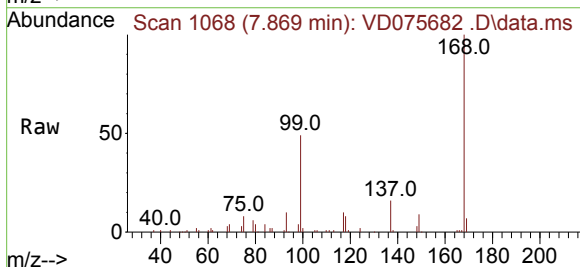
Instrument :
 MSVOA_D
 ClientSampleId :



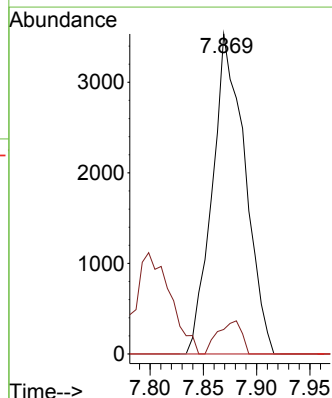
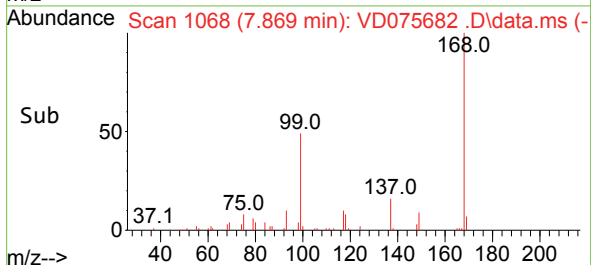
Tgt Ion:113 Resp: 104979
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.4 122.0
 192 19.0 15.2 22.8

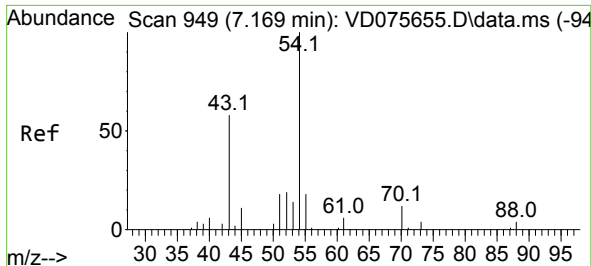


#36
 1,1-Dichloropropene
 Concen: 2.785 ug/l
 RT: 7.869 min Scan# 1068
 Delta R.T. -0.141 min
 Lab File: VD075682.D
 Acq: 14 Apr 2023 16:29



Tgt Ion: 75 Resp: 7552
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.1 51.2#
 77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.506 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.082 min

Lab File: VD075682.D

Acq: 14 Apr 2023 16:29

Instrument :

MSVOA_D

ClientSampleId :

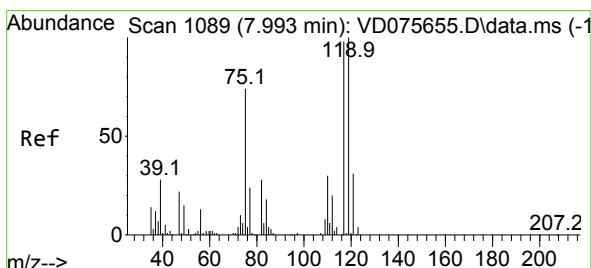
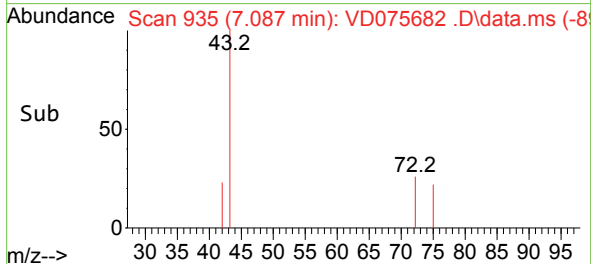
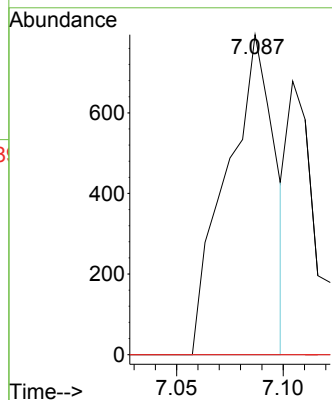
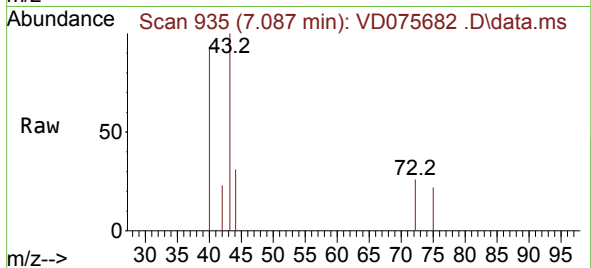
Tgt Ion: 43 Resp: 1243

Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

70 0.0 5.6 8.4#



#38

Carbon Tetrachloride

Concen: 4.249 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075682.D

Acq: 14 Apr 2023 16:29

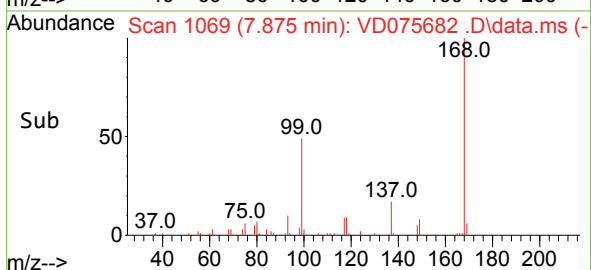
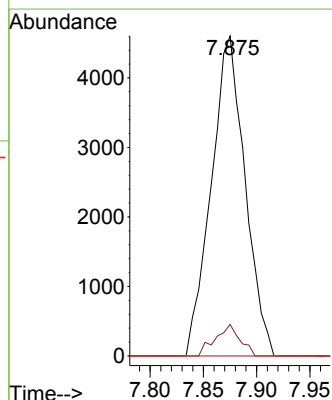
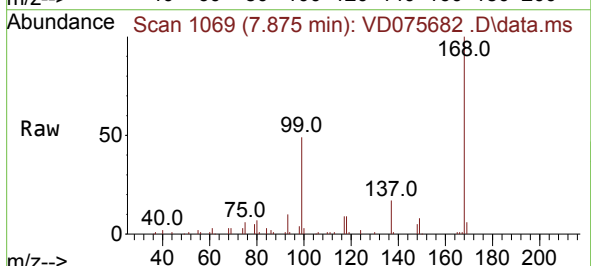
Tgt Ion: 117 Resp: 10148

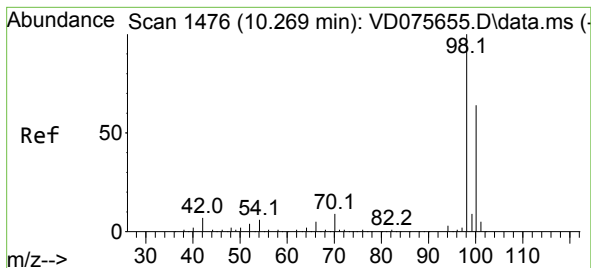
Ion Ratio Lower Upper

117 100

119 9.8 74.7 112.1#

121 0.0 25.9 38.9#





#50

Toluene-d8

Concen: 50.731 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075682.D

Acq: 14 Apr 2023 16:29

Instrument :

MSVOA_D

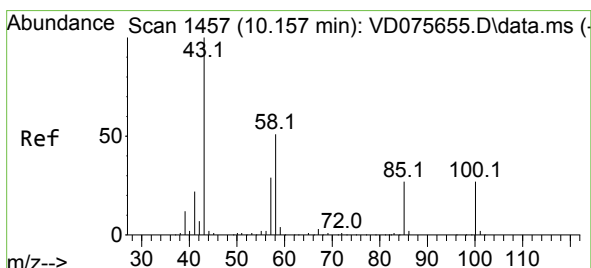
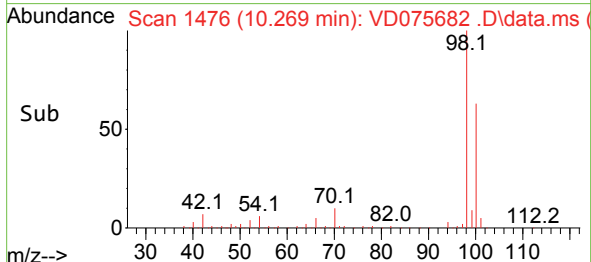
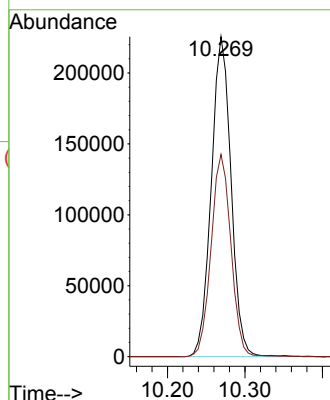
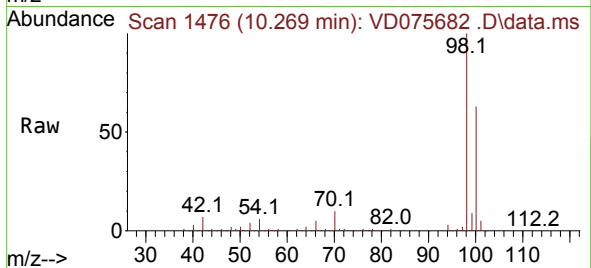
ClientSampleId :

Tgt Ion: 98 Resp: 399351

Ion Ratio Lower Upper

98 100

100 63.6 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 1.398 ug/l

RT: 10.263 min Scan# 1475

Delta R.T. 0.106 min

Lab File: VD075682.D

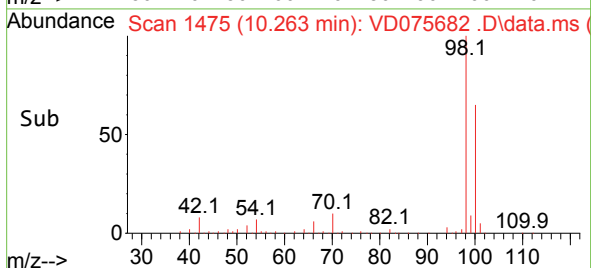
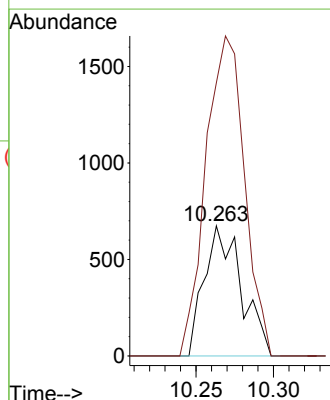
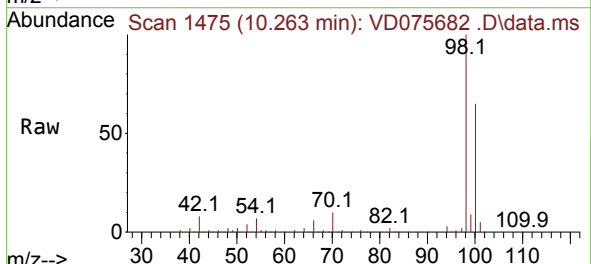
Acq: 14 Apr 2023 16:29

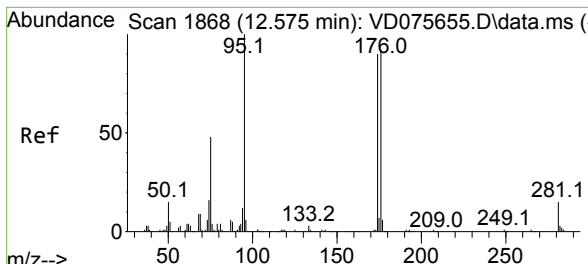
Tgt Ion: 43 Resp: 1122

Ion Ratio Lower Upper

43 100

58 256.6 29.5 44.3#

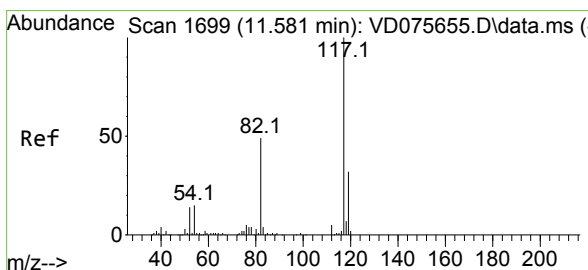
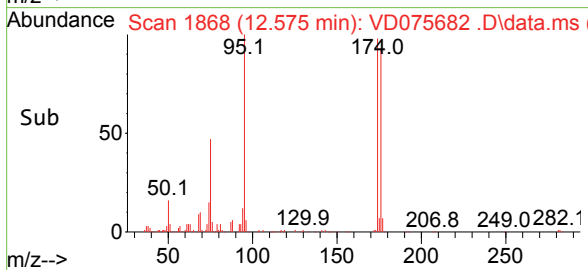
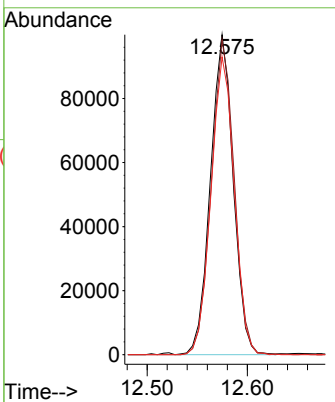
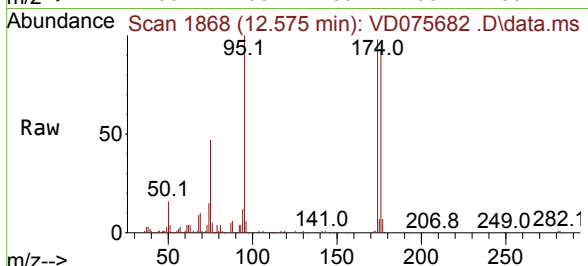




#62
 4-Bromofluorobenzene
 Concen: 75.414 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.000 min
 Lab File: VD075682.D
 Acq: 14 Apr 2023 16:29

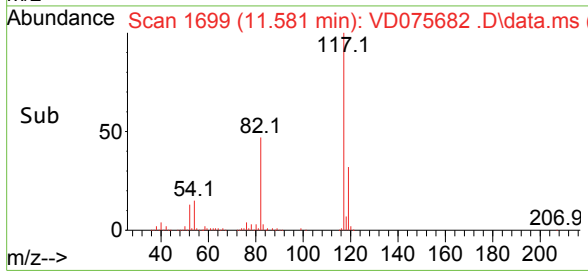
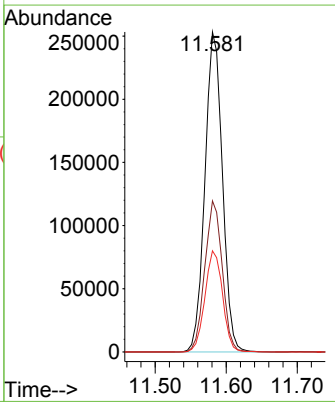
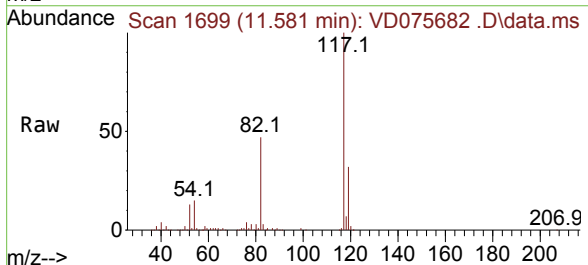
Instrument :
 MSVOA_D
 ClientSampleId :

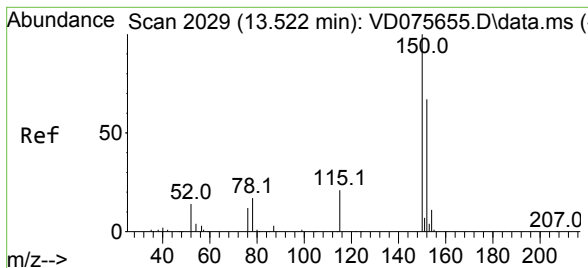
Tgt Ion:	95	Resp:	157792
Ion Ratio	Lower	Upper	
95	100		
174	98.6	0.0	164.0
176	94.8	0.0	156.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.581 min Scan# 1699
 Delta R.T. -0.000 min
 Lab File: VD075682.D
 Acq: 14 Apr 2023 16:29

Tgt Ion:	117	Resp:	433177
Ion Ratio	Lower	Upper	
117	100		
82	47.2	44.0	66.0
119	31.6	25.1	37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

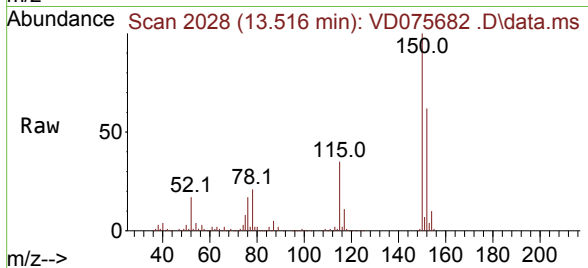
Lab File: VD075682.D

Acq: 14 Apr 2023 16:29

Instrument :

MSVOA_D

ClientSampleId :



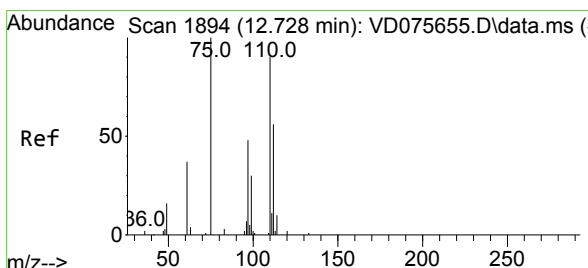
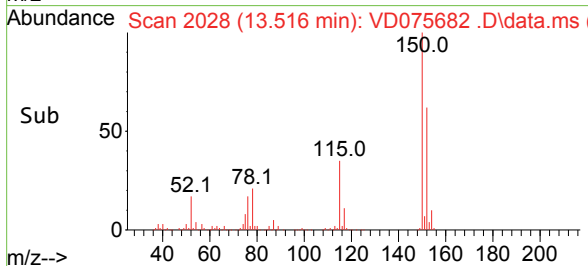
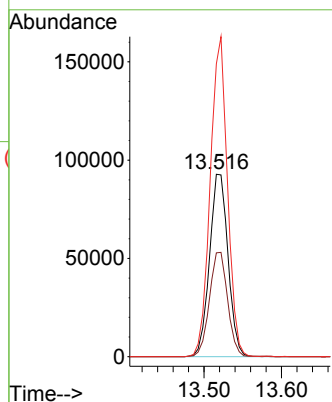
Tgt Ion:152 Resp: 153949

Ion Ratio Lower Upper

152 100

115 56.2 30.1 90.3

150 162.8 0.0 364.8



#76

1,2,3-Trichloropropane

Concen: 59.561 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075682.D

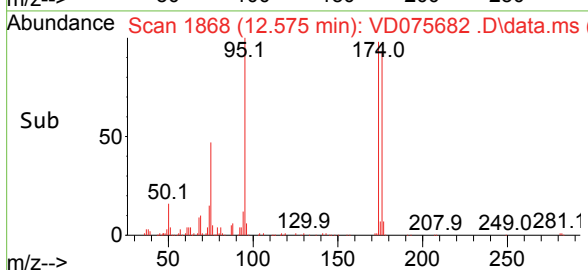
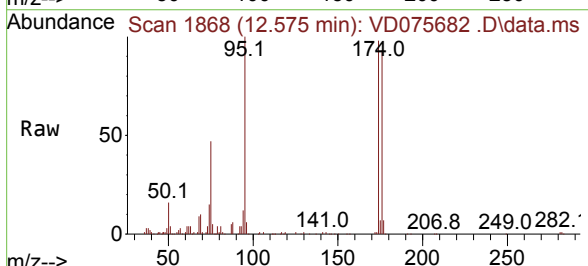
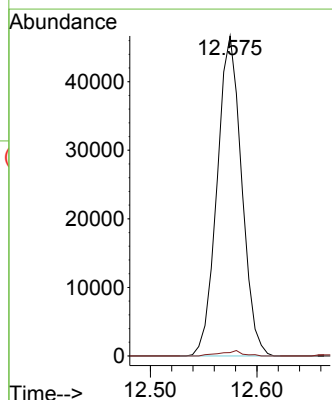
Acq: 14 Apr 2023 16:29

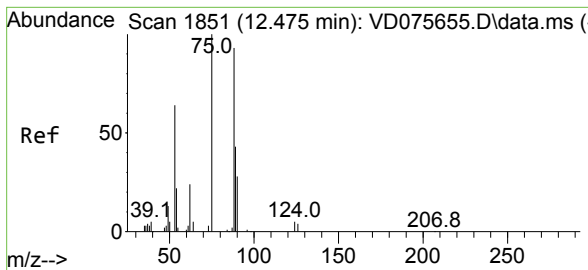
Tgt Ion: 75 Resp: 74775

Ion Ratio Lower Upper

75 100

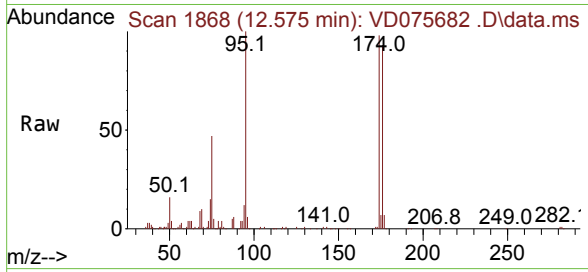
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.092 ug/l
 RT: 12.575 min Scan# 1851
 Delta R.T. 0.100 min
 Lab File: VD075682.D
 Acq: 14 Apr 2023 16:29

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 74775
 Ion Ratio Lower Upper
 75 100
 53 0.2 90.5 135.7#
 89 0.0 40.2 60.4#

